

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: August 27, 2007

Signature: 

Joseph A. Williams, Jr.

Docket No.: 28594/42303
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Una M. Ryan et al.

Application No.: 10/590,817

Confirmation No.: 1154

Filed: August 25, 2006

Art Unit: Not Yet Assigned

For: Culture Methods for Cryptosporidium

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

In accordance with 37 CFR 1.98(a)(2)(ii), Applicant has not submitted copies of U.S. patents and U.S. patent applications. Applicant submits herewith copies of foreign patents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an

admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 13-2855, under Order No. 28594/42303. A duplicate copy of this paper is enclosed.

Dated: August 27, 2007

Respectfully submitted,

By 

Joseph A. Williams, Jr.

Registration No.: 38,659

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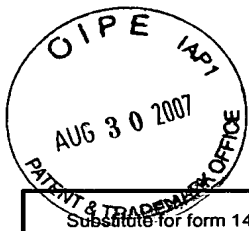
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Used in Lieu of PTO/SB/08A/B
(Based on PTO 04-07 version)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/590,817
				Filing Date	August 25, 2006
				First Named Inventor	Una M. Ryan
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	28594/42303

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-5,512,288	04-30-1996	Olson et al.	
		US-6,153,191	11-28-2000	Olson et al.	
		US-2003/235903	12-25-2003	Thompson et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Brandt et al., "Preliminary Observations on the In-Vitro Culture of Metacystodes of Taenia Saginata," Veterinary Science Communications 3:317-214 (1979/1980)	
		Bukhari et al., "Comparison of Cryptosporidium parvum Viability and Infectivity Assays Following Ozone Treatment of Oocysts," Appl Envir Microbiol 66:2972-80 (2000)	
		Current et al., "Complete Development of Cryptosporidium in Cell Culture," Science 224:603-605 (1984)	
		Girouard et al., "Failure to Propagate Cryptosporidium spp. in Cell-Free Culture," J. Parasitol. 92(2):399-400 (2006)	
		Hijawi et al., "Complete development and long-term maintenance of Cryptosporidium parvum human and cattle genotypes in cell culture," International Journal for Parasitology 31:1048-1055 (2001)	
		Hijawi et al., "Successful in vitro cultivation of Cryptosporidium andersoni: evidence for the existence of noval extracellular stages in the life cycle and implications for the classification of Cryptosporidium," International Journal for Parasitology 32:1719-1726 (2002)	
		Keegan et al., "Cell Culture-Taqman PCR Assay for Evaluation of Cryptosporidium parvum Disinfection," Applied and Environmental Microbiology 69(5):2505-2511 (2003)	
		Meloni et al., "Simplified Methods for Obtaining Purified Oocysts from Mice and for Growing Cryptosporidium Parvum in Vitro," Journal of Parasitology 82(5):757-762 ((1996)	
		Perryman et al., "Protection of calves against cryptosporidiosis with immune bovine colostrums induced by a Cryptosporidium parvum recombinant protein," Vaccine 17:2142-2149 (1999)	
		Sreter et al., "Morphologic, Host Specificity, and Molecular Characterization of a Hungarian Cryptosporidium meleagridis Isolate," Appl Envir Microbiol 66:735-738 (2000)	
		Upton et al., "Comparative development of Cryptosporidium parvum (Apicomplexa) in 11 continuous host cell lines," FEMS Microbiology Letters 118:233-236 (1994)	

Examiner Signature	Date Considered
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/590,817
				Filing Date	August 25, 2006
				First Named Inventor	Una M. Ryan
				Art Unit	Not Yet Assigned
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Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Woods et al., "In vitro development of <i>Cryptosporidium parvum</i> in serum-free media," Letters in Applied Microbiology 44:520-523 (2007)	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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